

Summary of significant environmental aspects at site level

			JRC						Representations in EU Member States								
EMAS Objective	BX	LX	PE	GE	SE	KA	IS	GR	Val	Vie	Bud	Nic	Cph	Sof	Thg	DGs	sig. Impacts*
1) Efficient resource use																	
Emissions from energy generation (large scale, gas)							✓										a
Buildings energy use	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		b
Fleet vehicle energy	✓	✓								✓	✓		✓				b
Water use	✓	✓	✓	✓				✓					✓				c
Paper consumption	✓	✓	✓	✓								✓					
2) Reducing emissions to air (CO ₂ e and other) from:																	
Buildings energy use	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓		a, b
Buildings refrigerant	✓	✓		✓	✓			✓	✓	✓	✓	✓					a
Staff missions*	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓				✓	a, b, e
Experts missions*																✓	a, b, e
Emissions from site vehicles	✓	✓		✓						✓	✓			✓			a, b, e
Emissions from site vehicles		✓		✓					✓	✓		✓	✓	✓			a, b, e
Emissions from energy generation (large scale, gas)				✓			✓										a, b, e
Emissions of particulates	✓		✓	✓			✓	✓			✓						e
Nuclear emissions		✓		✓		✓											f, g
3) Improving waste management																	
Non hazardous waste	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓				g
Hazardous waste	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓		f, g
Wastewater/liquid	✓	✓	✓	✓			✓	✓									g
Nuclear waste				✓		✓											f, g
4) Protecting biodiversity																	
Protecting biodiversity	✓	✓	✓	✓			✓	✓									h
5) Promoting green procurement																	
Contractor behaviour	✓		✓	✓			✓			✓		✓	✓	✓	✓	✓	i, j
Promote fair, healthy, sustainable food system*																	a, c, g, k
6) Improving management of legal compliance and emergency preparedness																	
Managing legal compliance and emergency preparedness	✓	✓	✓	✓							✓	✓	✓	✓	✓		l

Notes: *Buildings' energy use* * Direct priority of Greening Communication; *Paper consumption* - Indirect priority of the Greening Communication

Notes on (potential) significant impacts

- a) contribution of CO₂e emissions to global warming;
- b) environmental footprint of energy production, fuel storage and distribution including potential for fuel spills;
- c) over exploitation of surface and groundwater sources affecting flora, fauna and human populations;
- d) unsustainably forestry, and consequences for biodiversity;
- e) Non CO₂ emissions (e.g. SO₂, NO_x; particles) particularly affecting respiratory health and surface water pollution (tyre wear);
- f) radiation deleterious to health;
- g) contamination of air, soil, surface and groundwater;
- h) removal of habitats conducive to diverse flora and fauna;
- i) use of unsustainable material supplies;
- j) noise annoyance for neighbours;
- k) unsustainable agriculture (over intensive, use of too many pesticides);
- l) operating outside legal with environmental, financial and reputational consequences.